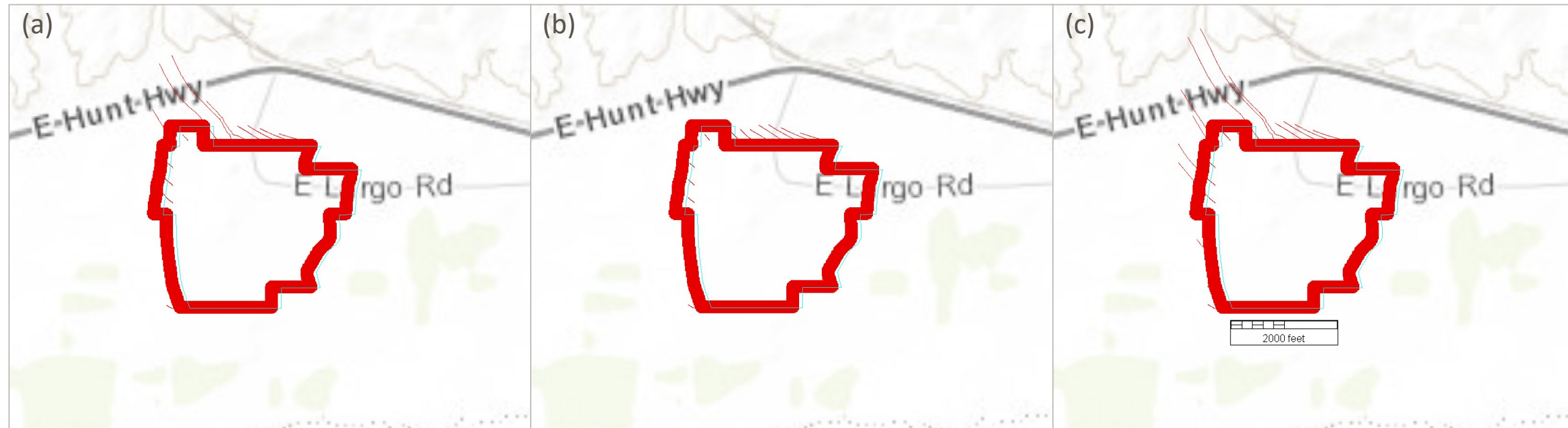


Exhibit A-1a. Particle tracking results of a non-sorbing solute for a transport period of 30 years under post-closure ambient groundwater flow conditions.



Panel (a): Same hydraulic and transport conditions used to simulate the transport scenario documented in the model update report.

Panel (b): Same conditions as those for Panel (a) except that fault hydraulic conductivity was reduced to 0.57 feet per day.

Panel (c): Same conditions as those for Panel (a) except that transport porosity for model layers 5, 6, and 7 decreased to 20 percent from the original values.

The farthest particle migration in Panel (c) is approximately 600 feet further away in comparison with the farthest particle migration in Panel (a). Particles were placed in model layer 7 near the northern and western ISCR wellfield boundary lines.